

WHAT IS CLAIMED IS:

1. A rock climbing exerciser comprising:

a main frame including a base member adapted to abut
against a supporting surface and two stands perpendicularly extending
5 from the base member, each stand having a C-shaped cross-section and
a channel longitudinally defined therein, the two channels of the two
stands facing each other;

a cyclic device mounted between the two stands, the cyclic
device includes a first drive device laterally mounted to a lower portion
10 of each of the two stands and a second drive device laterally mounted
to an upper section of the two stands, the first drive device including a
first shaft having two opposite ends respectively pivotally connected to
a corresponding one of the two stands and multiple first chain wheels
securely mounted to the first shaft and spaced in equal intervals, the
15 second drive device including a second shaft having two opposite ends
respectively pivotally connected to a corresponding one of the two
stands and multiple second chain wheels securely mounted to the
second shaft and spaced in equal intervals, wherein the number of the
first chain wheels is the same as the second chain wheels and each
20 chain wheel aligns with a corresponding one of the second wheels, a
chain endlessly encircled the first chain wheel and the second chain
wheel that align with each other so that the multiple first chain wheels
and the multiple second chain wheels are synchronously operated, each

chain including multiple ears outwardly extending therefrom at equal intervals, each ear of each of the chains horizontally corresponding to that of the adjacent chain, a lateral panel mounted on the ears that horizontally correspond to one another on the chains, each lateral panel having two opposite ends respectively extending into the channels of the two stands, an endless strap mounted around and secured on the lateral panels for covering the first drive device and the second drive device, multiple grips extending through the endless strap and detachably mounted to the lateral panels for user to hold and climb on the endless strap, multiple U-shaped brackets mounted between the two stands for receiving the chains to prevent the laterals and the chains from being inward moved during operating; and

a speed reducer connected to the cyclic device for reducing the moving speed of the endless strap for user to climb on the endless strap.

2. The rock climbing exerciser as claimed in claim 1, wherein the base member has a H-shape and two foldable sections being pivotal relative to the base member, the two foldable sections parallel to each other and in a same direction, a first fastener provided to secure the foldable section when the foldable section horizontally corresponds to the base member.

3. The rock climbing exerciser as claimed in claim 1, wherein the base member comprises multiple rollers secured on a bottom

thereof for user to easily move the rock climbing exerciser and multiple rubber stoppers screwed onto the bottom of the base member to stably support the base member during operation.

4. The rock climbing exerciser as claimed in claim 1, wherein
5 each stand comprises a lower section perpendicularly connected to the base member and an upper section longitudinally pivotally connected to the lower section by a hinge, a second fastener attached to an upper end of the lower section and a lower end of the upper section when the lower section and the upper section longitudinally correspond to each
10 other.

5. The rock climbing exerciser as claimed in claim 1, wherein the first shaft of the first drive device includes two opposite ends each having a strain adjust device mounted thereon and the first shaft is rotatable relative to each of the two strain adjust devices, each stand
15 having multiple slot defined in a lower portion of the lower section of each of the two stands and being parallel with one another, each strain adjust device including a seat having multiple threaded holes defined therein and each aligning with a corresponding one of the multiple slots, a bolt extending through a corresponding one of the slots and screwed
20 into the aligning threaded hole to hold the seat in place.

6. The rock climbing exerciser as claimed in claim 1, wherein the speed reducer includes a frequency conversion motor mounted to one of the two stands and a worm pivotally extending from the

frequency conversion motor, the second shaft including one end extending through the stand and having a worm gear mounted thereon, the worm gear engaged to the worm of the frequency conversion motor so that the operating speed of the endless strap is controlled by the

5 frequency conversion motor.